



66 Years of DX-cellence

May 2014



*"If you need him get
in there and work
him"*

The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

www.dx-code.org

The newsletter is published every month and is released to its members about the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles may be republished with the recognition of the author and the club. Reuse of copyrighted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the editor, Jerry:

K6QU@scdxc.org

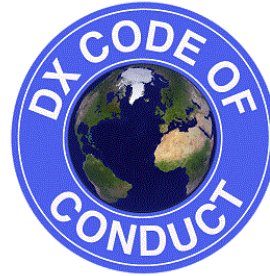
Meetings are held on the second Thursday of the month at 7:30 PM except April, June and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

W6AM/R145.48,(-) 100Hz PL



Next meeting, MAY 8th:

**Peter "Pete" Zilliox K5PZ
Adventures in South Africa!**

Congratulations To:

**2013 DXer of The Year!
George Jacob N6VNI**

**2013 Clipperton Award Winner!
Linda Souder, W6QE**

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THE PREZ SEZ
Wayne Spring, W6IRD,
President – SCDXC
W6IRD@scdxc.org



If you missed it, you lost out on a great time at the 2014 IDXC Convention in Visalia hosted this year by our own Southern California DX Club. For those of you who did attend, I hope you had a wonderful time. Our convention co-chairs, Mel Hughes/ K6SY and Carl Gardenias/N6UC, along with their hard working committee members did a fantastic job to insure that everyone got to see and do all that they wanted.

There are still more fun and games to look forward to. Our club's annual picnic will be held on June 1 at Woodley Park in Van Nuys . The annual Bash will be hosted this year by our club, and will take place at the home of Sharon/K6IRD and myself in the city of Orange. The "Anchors Away" auction will be held in October at our regular meeting place. Last, but certainly not least, will be our annual Year-End banquet. More information will be given in future newsletters. You can also check out the club website. So, stay tuned.

Speaking of the club website, I hope you are keeping up to date on the listings of upcoming operations. This posting should help you nail a good one, or even a new one.

73, and Good DXing!
Wayne Spring, W6IRD
President SCDXC

Treasurer's Report

Club financial information is available on request. Contact the treasurer.

Officer Guidelines

The revised version of the Officers Guidelines is available on our website. See the hyperlink below.

Code of Conduct

SCDXC endorses the **DX Code of Conduct**
See the hyperlink below.



VICE PRESIDENT'S CORNER

George Jacob, N6VNI
Vice President – SCDXC
N6VNI@scdxc.org

Here's what the vice president has to say.

The 2014 international DX convention was once again a total success. It was so very nice to see old friends and make new friends from all over the world. I can hardly wait until next year so we can do it all over again.

I would like to thank the following ladies who helped me sell raffle tickets on the opening day of the convention: Sharon K6IRD, Linda W6QE, Leida N6MXC, Ulla K7AFB, Camille KB6KTV, Irene KF6KTX, Vi W6CBA, Anna Echeverria-Dowds and Arlene Freeman. Without these ladies my job would have been unbearable. I would also like to extend a word of thanks to Skip KJ6Y and Rich W6VX for their help with the raffle ticket sales on Saturday. A special thanks to Jim WB6OFE for being my banker. If I have missed anyone, please accept my deepest appreciation for a job well done.

The next DX club meeting will be held on May 8th at Mel's place. The guest speaker for that evening will be Peter "Pete" Zilliox K5PZ. Pete recently went on a business trip to South Africa. While there Pete operated as ZS/K5ZP. Pete also stayed at a wildlife preserve, and took some outstanding pictures of God's creatures that live in that part of the world.

If you have time, please join your fellow club members for dinner at Choices restaurant 15122 Inglewood Ave. Lawndale, CA. Some of the club members start arriving around 5 p.m. If you have not tried eating at Choices give it a try, the food is good and at a reasonable prices.

The annual club picnic will be Sunday June 1st 2014 @ 11 a.m. @ Woodley Park in Van Nuys. There is more information about the picnic on the SCDXC Website.

Until the next time:

73, and Good DXing!
George Jacob, N6VNI
Vice President SCDXC

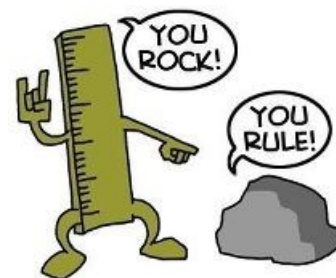
New DXer Resources

New DXers Handbook
http://www.udxa.org/attachments/148_New_DXers_Handbook.pdf



Editors Editorial

Jerry Lewine, K6QU,
Editor – SCDXC Bulletin
K6QU@scdxc.org



Many of you have met my wonderful wife Sheryl. Sheryl and I will have been married for 15 years this June and It is the third marriage for both of us. Yeah, I know, third time's the charm. We could be the first couple to meet via the internet — and the longest to stay happily married. We had a lot in common: We are both originally from Pennsylvania, both Jewish, had (have) kids more -or-less the same age and are both wine aficionados and licensed pilots. When we met, I was the chief engineer of a group of Los Angeles area radio stations and she was a hospital administrator. Sheryl is still a hospital administrator and I am now a bum. (Actually I have/am a one-man computer business.) But there is another very important thing we have in common: We both love going to the DX convention every year in Visalia. Sequoia National Park, King's Canyon, Mist Falls, Trail of 100 Giants, Bearpaw Meadow and more. No you won't find Sheryl at the convention unless we're sitting down to a meal. Sheryl comes for the hiking. The picture at the right was taken with in Visalia just after she returned from one of her hikes (and changed out of her hiking boots). Her tales of snow, bears and poison oak have precisely the same appeal to me as my descriptions of terrific new radio gear and my retelling the adventures of DXpeditioners have for her. We like to think of it as one more thing we have in common.



As everyone knows by now, Microsoft has abandoned Windows XP and will no longer be supplying security updates. To further push people toward a newer operating system, those XP users using Microsoft Security Essentials as their antivirus have discovered that it will also no longer update forcing people to other antivirus products (I like the free version of Avira). Microsoft has announced that it will continue to support Windows 7 until at least the year 2020 and computers with Windows 7 will continue to be sold (online only) for some time. If you are the frustrated owner of a Windows 8 machine, I'd recommend downloading an inexpensive program called *START8* which will return the GUI to the more familiar and less cumbersome Windows 7 look. If you have questions about any computer issues, email me and I'd be happy to help. No charge to club members.

Convention photos from N6RV, N6TV, N6IC and of course, K6QU.

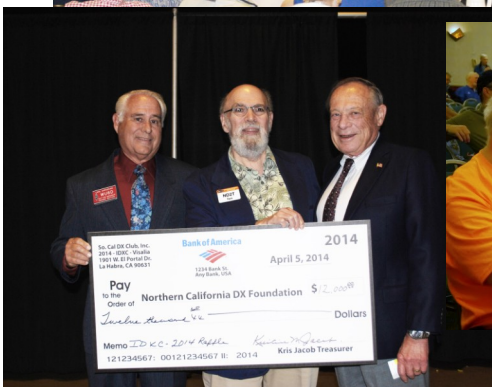
Definition of the word Vegetarian:

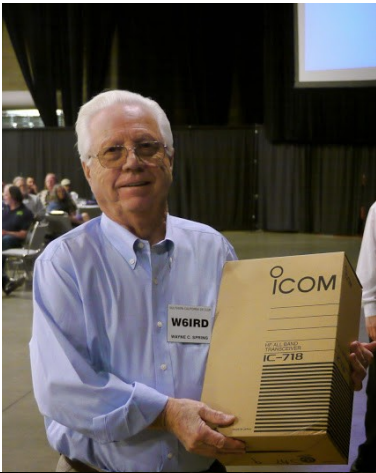
An old Indian term meaning "Bad Hunter."

DX Code of Conduct

<http://www.dx-code.org/>











Tidbits

Tidbit: *noun* \ˈtɪd-ɪbɪt\

1: a choice morsel of food

2: a choice or pleasing bit (as of information)

Field Checking of QSL Cards - by N6QQ and N6HC

QSL cards for new DXCC awards and endorsements may be checked by an approved DXCC Card Checker. This program applies to any DXCC award for an individual or station. Awards available can be found in Section I: Basic Rules, [Rule 1](#).

1) Entities Eligible for Field Checking:

With an exception for 160 meters, cards for all current and deleted entities dating back to November 15, 1945 can be checked. Cards for 160 Meters can only be checked by card checkers who currently hold an active 160 Meter DXCC. Check out the complete list of [DXCC 160 Meter Card Checkers](#).

CQ AWARDS

CQ Awards except 160 Meter WAZ, Digital WAZ, 6 Meter, Satellite, EME and 5BWAZ endorsements and new 5BWAZ applications with 170 or more zones.

Both Arnie, N6HC, and I can check cards.

If you live in Orange County, Arnie would be happy to check cards for both ARRL and CQ.

If like to contact me, call me at 562-404-1112 or n6qq@msn.com



A lot of people are afraid of heights.
Not me, I'm afraid of widths....Steven Wright



Letters to the Editor

Please email anything you want to say to the club membership to K6QU@SCDXC.org

Thanks!

Equipment for Sale

Please email information about any ham radio related equipment you would like to sell to K6QU@SCDXC.org. Include pictures if you can.

Thanks!

Hi-Q Piranha-4 40-6M Screwdriver Antenna (160 & 80 with Hi-Q capacitive hat & Whip (not supplied))

New still in bubble wrap! Beckie won it at Visalia and is afraid her car will tip over if she puts it on! Sells for \$450. Now you can have it hand delivered to the meeting at an unbelievably low price of \$375. If you have a friend who will pick it up then no problem otherwise packing and shipping costs apply! Contact me via my email address on QRZ.com or if I am still on SCDXC.org N6RV@SCDXC.org



Thanks!
N6RV



IC-7000 (virtually new)

Only \$900.00!

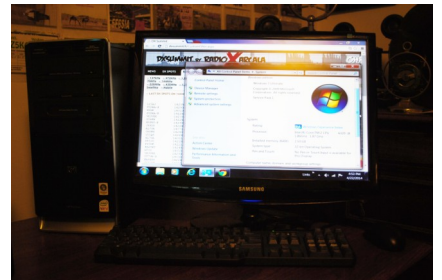
Contact Vi, w6cba@juno.com



HP Pavilion a6040n computer with Samsung 22" monitor, keyboard, mouse, wireless USB adaptor, power cords
Windows 7, Intel Core2 Duo, 2.5 Gb RAM, 320 Gb hard drive, MS Office 2007, Adobe CS3 Master Suite, etc. etc.

\$150.00 CHEAP!!

Contact K6QU@SCDXC.ORG



Meet the Member: W6CBA, Vi Barrett

Born and raised in Los Angeles, Vi was licensed in 1948. She got her first taste of ham radio from her uncle Ed Bostrom, W6HMY, the father of N6IC. Yes, that makes Vi and Don first cousins. Vi is married to another Don, KA6DJK.



Vi and her parents were taken to the Baldwin Hills Field Day site in 1947 by Leo Sheppard, W6LS. "But really, Frank Cuevas, W6AOA, who lived about four blocks away, was my true mentor. Frank was one of the few hams who not only was regularly in contact with the Kon-Tiki expedition, but who regularly gave me the lessons I needed to pass my General Class exam."



"During Christmas break in 1947, my mom took me to the Federal Building in Los Angeles where I took my general class exam and six weeks later I was W6CBA." She already had a receiver, a Hammerlund HQ-129X and her dad put up a 40 meter dipole. That plus a Meissner Signal Shifter running 5 watts and Vi was on the air.

In 1976 she decided to get her Extra class license and enrolled in the ham classes at Rio Hondo College. When the instructor discovered her CW abilities he asked her to become the CW teacher which she continued to do for the next 10 years. When the college cancelled the ham classes, they moved to the Mormon Church in Whittier. From there Don and Vi branched out and continued to teach through the City of Whittier. Don has retired from teaching but Vi and four other hams continue the tradition. "The youngest person I've taught ham radio to was 10 and the oldest was 85," recalled Vi. "I've helped thousands of people become hams over the years."



"I was the first female radio dispatcher for the FBI in Los Angeles for 6 1/2 years and then worked for 22 years for the East Whittier School District as Switchboard/ Receptionist until I retired in 1986. I have volunteered for 30 years with the City of Whittier and spent 17 years with the Whittier Police Department. Don and I have 2 children, 5 grandsons and one great grandson. What a great life!"

In 2013 Vi started selling some of her Kenwood 2000 equipment, taking down the tower and the Force 12. "That was a sad day. But now that I won that beautiful ICOM 9100 at the DX Convention I am starting a whole new chapter in my ham life. Don and I moved into a place called Morningside of Fullerton. They love the idea of ham radio here. I am setting up a ham radio disaster communications program. We already have three hams living here and I'm already handing out our lesson plan packets. I celebrate 65 years in ham radio this year and Don and I celebrate 60 years of wedded bliss this week. So as we sit here on the Fullerton, La Habra Fault Line waiting for a disaster, watch out for me with my 100 watts in the pileups."

Gone is the tower and the Force 12 and now Vi's challenge is putting up effective but unobtrusive antennas. "I don't want to just work Oklahoma," said Vi. "I want to work some good DX!"

Don't we all.





CONTESTS

John Schroeder, N6QQ,
Director – Southern California DX Club
n6qq@scdxc.org

May Contests

ARI International DX Contest - May 3-4

Only contest that uses 3 modes -- CW, SSB and RTTY

Volta WW RTTY Contests - May 10-11

You should be able to add a few more RTTY countries to your totals

His Maj. King of Spain - May 17-19

Work as many Provinces as possible

The last big contest of the Spring Season

CQ WW WPX CW Contest - May 24-26

Lots and lots of good stuff will be on this weekend

Need more contest info ?

Go to this site: <http://www.hornucopia.com/contestcal/contestcal.html>

73 John -- N6QQ

ARRL and CQ awards QSL checker

<http://www.qrz.com/db/N6QQ>

By Ian Poole, G3YWX

Understanding Solar Indices

When someone tells you that the flux is up to 200 and the K is 3, do you know what they are talking about? You will after you read this article!

One of the key skills for any HF DXer is to know how to judge what band conditions may be like. Conditions may be excellent one day with many stations audible from all over the world, but a few days later it may be that only a few stations are audible. To be able to gain an idea about conditions, three main indices are used: solar flux, and the Ap and Kp indices. A good working knowledge of what these numbers represent and what they mean is an advantage even for the ham with most well-equipped station.

Synopsis

The ionosphere can be visualized as containing a number of layers. In fact, there is ionization throughout the ionosphere; the layers are really peaks in the levels of ionization, as we can see from Figure 1. The ionosphere affects radio waves because according to the level of ionization, the signals are refracted, i.e., bent away from traveling in a straight line. Often the level of ionization is sufficiently high to enable the signals to be returned to Earth.

Conditions are continually varying on the HF bands as a result of the varying levels of ionization in the ionosphere. The radiation coming chiefly from the Sun hits the upper ionosphere, causing molecules to ionize, creating positive ions and free electrons. A state of "dynamic equilibrium" exists. The free electrons that affect radio waves recombine with the positive ions to reform molecules. When levels of ionization are higher (when there are more free electrons) the



An ultra-close view of a sunspot taken by the NSO Sacramento Peak Vacuum Tower Telescope.

ionosphere is more capable of bending back radio signals to Earth. Also, high levels of ionization mean high maximum usable frequencies and better HF conditions.

The level of ionization at any given point above the Earth is dependent upon a number of factors including the time of day, the season and most important of all the sunspot cycle. It is found that the level of radiation from the Sun increases as the

number of sunspots increases. Accordingly, the level of radiation received from the Sun peaks around the top of the sunspot cycle. In fact, it is the bright area just around the sunspot called the *plage* that emits most of the extra radiation.

It is not all good news, though. At the sunspot peak the level of geomagnetic activity also rises. This happens as the Sun emits vast quantities of particles. There is normally a steady flow of these

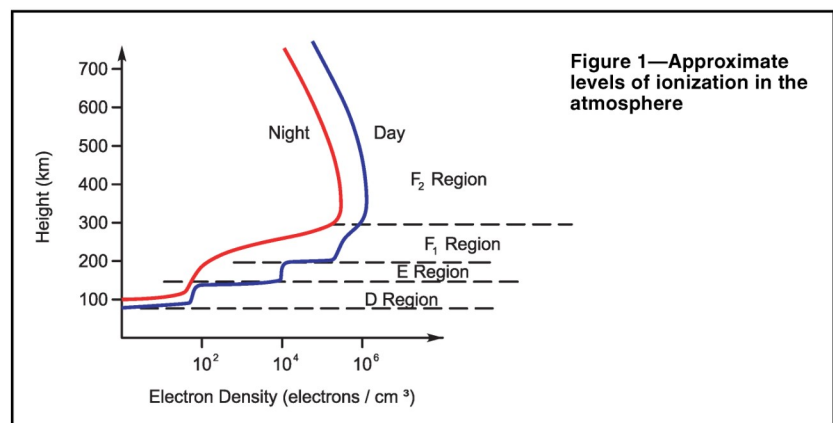


Figure 1—Approximate levels of ionization in the atmosphere

particles, but at times such as when there are solar flares the level of these emissions greatly increases. When they hit the Earth's magnetic field it becomes disturbed, creating a magnetic storm that can be detected at points around the globe. Another effect is that the ionosphere itself can be disturbed, giving rise to an ionospheric storm. This will degrade HF communications and when particularly bad it can lead to a total HF blackout. For a more in-depth recap on radio propagation, get on the Web and go to www.radio-electronics.com/info/propagation/radio_prop_list.html, or just visit www.radio-electronics.com and navigate from there.

Solar Flux

A measure known as the *solar flux* is used as the basic indicator of solar activity, and to determine the level or radiation being received from the Sun. The solar flux is measured in solar flux units (SFU) and is the amount of radio noise or flux that is emitted at a frequency of 2800 MHz (10.7 cm). The Penticon Radio Observatory in British Columbia, Canada reports this measure daily. The solar flux is closely related to the amount of ionization and hence the electron concentration in the F2 region. As a result it gives a very good indication of conditions for long-distance communication.

The figure for the solar flux can vary from as low as 50 or so to as high as 300. Low values indicate that the maximum useable frequency will be low and overall conditions will not be very good, particularly on the higher HF bands. Conversely, high values generally indicate there is sufficient ionization to support long-distance communication at higher-than-normal frequencies. However, remember that it takes a few days of high values for conditions to improve. Typically values in excess of 200 will be measured during the peak of a sunspot cycle with high values of up to 300 being experienced for shorter periods.

Geomagnetic Activity

There are two indices that are used to determine the level of geomagnetic activity: the *A index* and the *K index*. These give indications of the severity of the magnetic fluctuations and hence the disturbance to the ionosphere.

The first of the two indices used to measure geomagnetic activity is the *K index*. Each magnetic observatory calibrates its magnetometer so that its *K index* describes the same level of magnetic disturbance, no matter whether the observatory is located in the auroral regions or at the Earth's equator. At three hourly

The DX Summit Webcluster at oh2aq.kolumbus.com/dxs/ provides solar activity reports in the frame near the bottom of the window (framed in red).

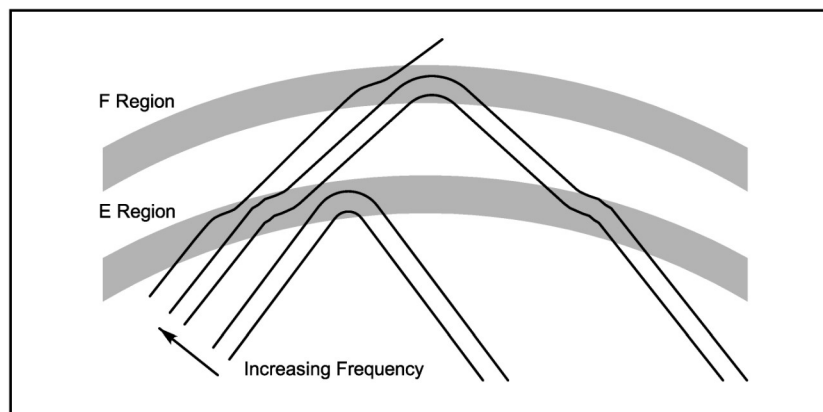


Figure 2—Signals traveling through the ionosphere will be refracted and may be returned to Earth.

intervals starting at 0000 UTC each day, the maximum deviations from the quiet day curve at a particular observatory are determined and the largest value is selected. This value is then manipulated mathematically and the *K index* is calculated for that location.

The *K index* is a “quasi logarithmic” number and as such cannot be averaged to give a longer-term view of the state of the Earth's magnetic field. Thus was born the *A index*, a daily average. At each 3-hour increment the *K index* at an observatory is converted to an equivalent “a” index using Table 1, and the 8 a-index values are averaged to produce the *A index* for that day. It can vary up to values around 100. During very severe geomagnetic storms it can reach values of up to 200 and very occasionally more. The *A index* reading varies from one observatory to the next, since magnetic disturbances can be local. To overcome this, the indi-

ces are averaged over the globe to provide the *Ap index*, the planetary value.

Similarly, the *Kp index* is the planetary average of all the *K indices* at observatories around the globe. Values between 0 and 1 represent quiet magnetic conditions and this would indicate good HF band conditions, subject to a sufficient level of solar flux. Values between 2 and 4 indicate unsettled or even active magnetic conditions, and are likely to be reflected in a degradation of HF conditions. Moving up the scale, 5 represents a minor storm, 6 a larger storm and 7 through 9 represents a very major storm that would result in a blackout of HF communications.

Although geomagnetic and ionospheric storms are interrelated, it is worth noting that they are different. A geomagnetic storm is a disturbance of the Earth's magnetic field and an ionospheric storm is a disturbance of the ionosphere.

Table 1
The General Relationship between A and K Values

A	K	Comments
0	0	Quiet
2	1	Quiet
3	1	Quiet
4	1	Quiet to unsettled
7	2	Unsettled
15	3	Active
27	4	Active
48	5	Minor storm
80	6	Major storm
132	7	Severe storm
208	8	Very major storm
400	9	Very major storm

Interpreting the Figures

The easiest way to use these figures is to enter them into a propagation prediction program. This will provide the most accurate prediction of what might be happening. These programs will take into account factors such as signal paths because some will cross the poles and they will be far more affected by storms than will those across the equator.

If you don't own propagation software, it is still possible to gain a good insight into what the figures mean purely by assessing them mentally. Obviously, high levels of solar flux are good news. Generally the higher the flux the better the conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days. In this way the overall level of ionization in the F2 layer will build up. Typically values of 150 and more will ensure good HF band conditions, although levels of 200 and more will ensure they are at their peak. In this way the maximum usable frequencies will rise, thereby providing good conditions.

The level of geomagnetic activity has an adverse affect, depressing the maximum usable frequencies. The higher the level of activity as reflected in higher Ap and Kp indices, the greater the depression of the MUFs. The actual amount of depression will depend not only on the severity of the storm, but also its duration.

Summary

As a broad rule of thumb, check out the levels of solar flux and the K index. These figures can be found at a variety of places, including on the Internet at a variety of sites including www.eham.net, www.qrz.com/, DX Summit at oh2aq.kolumbus.com/dxs/ and in the K7VVV Solar Updates that are posted regularly on ARRLWeb at www.arrl.org. If you connect by radio or telnet to a DX spotting network, you can obtain this infor-

Glossary of Solar Index Terms

ap index: A measure of the general level of geomagnetic activity over the globe for a given day. A mean, 3-hourly "equivalent amplitude" of magnetic activity based on K index data from 11 Northern and 2 Southern Hemisphere magnetic observatories between the geomagnetic latitudes of 46 and 63 degrees.

Ap index: A daily index determined from eight ap index values.

Geomagnetic activity: Natural variations in the geomagnetic field classified into quiet, unsettled, active and geomagnetic storm levels.

Geomagnetic storm: A worldwide disturbance of the Earth's magnetic field, distinct from regular diurnal variations. A storm occurs when the $Ap > 29$, a minor storm when $29 < Ap < 50$, a major storm when $50 \leq Ap < 100$ and a severe storm when $Ap \geq 100$.

K index—A quasi-logarithmic local index of the 3-hourly range in magnetic activity relative to an assumed quiet-day curve for a single geomagnetic observatory site. First introduced by J. Bartels in 1938, it consists of a single-digit 0 through 9 for each 3-hour interval of the universal time day (UT).

Kp index—The planetary 3-hour-range index Kp is the mean standardized K-index from 13 geomagnetic observatories between 44 degrees and 60 degrees northern or southern geomagnetic latitude. The scale is 0 to 9 expressed in thirds of a unit; e.g., 5- is $4\frac{2}{3}$, 5 is 5 and 5+ is $5\frac{1}{3}$. This planetary index is designed to measure solar particle radiation by its magnetic effects. The 3-hourly ap (equivalent range) index is derived from the Kp index.

Note: Kp, Ap and other indices can be downloaded via FTP at ftp.ngdc.noaa.gov/STP/GEOMAGNETIC_DATA/INDICES/KP_AP/. Indices can also be downloaded from www.sec.noaa.gov/Data/alldata.html.

From "A Glossary of Space Weather Terms" (www.irfl.lu.se/HeliosHome/spacew9.html) and the National Geophysical Data Center Web site (www.ngdc.noaa.gov/stp/GEOMAG/kp_ap.html).

mation by sending the command SHOW/WWW. Please note that the A and K indices broadcast by WWV represent the "mid-latitude" values for Boulder, Colorado, and may not be representative of conditions around the whole world.

For best conditions, the solar flux should remain above about 150 for a few days with the K index below 2. When these conditions have been met, check out the bands

and expect some good DX to be about!

Ian Poole has been licensed as a radio ham for over 30 years and has been active on many bands favoring HF SSB and CW. He is also author of several books including Your Guide to Propagation (and VHF/UHF Antennas) that is available through the ARRL bookstore. You can contact Ian at 5 Meadway, Staines, TW18 2PW, United Kingdom; ian_poole@lineone.net. **QST**

NEW PRODUCTS

MINUTEMAN 20 PORTABLE HF ANTENNA

◇ Quicksilver Radio Products has introduced its new MinuteMan 20 portable HF antenna. The antenna covers 20-10 meters with no tuner nec-

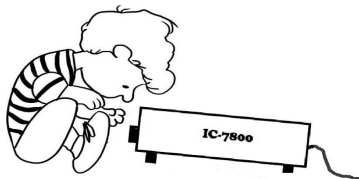


essary in most cases. According to company owner John Bee, N1GNV, "On 15, 12, and 10 it's a full quarter-wavelength vertical. On 17 and 20 we use a small amount of high-efficiency coil loading. We designed this antenna to be efficient, lightweight and affordable." While the MinuteMan is primarily intended for portable operation, it's also a solution for hams facing antenna restrictions of any type.

The antenna comes preassembled and needs no tools or other supports for setup. With no piece longer than 17 inches, the MinuteMan fits easily into a briefcase, backpack, airplane carry-on, etc. It weighs just 5 pounds and will handle 100 W of power (although the photo shows N1GNV operating QRP).

Contact Quicksilver Radio Products, PO Box 146, Williston Park, NY 11596; johnbee@qsradio.com; www.qsradio.com. List price is \$130 plus \$10 shipping. **QST**

Next New Products



Get Schroeder!

LET'S GET SCHROEDER CONTEST

It looks like Dennis is at it again. He is one up on John. If you haven't been on the air you're missing the best propagation we may see for the rest of our lives! How about HZ at 3:00 PM on 10 Meters. I recall a few years back when all that was on 10 was noise... not even KC4TVZ! So wake up and work the stuff! Gary, WB6PSY, has 138 countries on 10 this year!

The two top runners, are over the 80% mark of last years count! There are four of us over 200 and several who will be there shortly! The total countries worked by club members on ClubLog is 252. Do the math! That is 2.27 entities a day for 111 days! It doesn't get any better than that... OK, if 6 Meters opened and everyone worked DXCC in two days then we would be in nirvana but this is a close second! Check out the Entity Matrix... not many missing!

2014 Get Schroeder Standings					
Total Entities Worked by Members: 252					
Rank	Call	Entities	Missed	-QQ	Uniques
1	NS6C	239	13	-1	0
2	N6QQ	238	14	0	4
3	N6RV	218	34	20	0
4	WB6BFG	212	40	26	0
5	K0OK	198	54	40	0
6	W6DR	182	70	56	1
7	AC6DX	168	84	70	0
8	W6ENZ	158	94	80	0
9	N6VNI	147	105	91	0
10	WB6PSY	140	112	98	0
11	N6GP	135	117	103	0
12	W8DX	124	128	114	0
13	W6QE	120	132	118	0
14	K6FG	106	146	132	1
15	KR6C	105	147	133	0
16	NK6A	98	154	140	0
17	ZL3TE	96	156	142	0
18	KT6LA	92	160	146	0
19	K6DXA	78	174	160	0
20	W6SR	72	180	166	0

SCDXC GET SCHRODER STANDINGS 2014																
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Yrs	
1	NS6C	0	26	0	48	63	77	67	84	113	98	1	239	577	47	
2	N6QQ	5	30	0	115	85	194	150	185	150	195	5	238	1114	57	
3	N6RV	6	19	0	84	7	134	29	141	45	140	6	217	612	46	
4	WB6BFG	1	7	0	11	31	68	79	60	126	106	3	212	492	7	
5	K0OK	0	9	0	15	17	28	27	70	51	101	4	198	322	42	
6	W6DR	23	58	0	111	34	128	25	127	17	115	0	182	638	34	
7	AC6DX	0	2	0	18	8	10	14	18	53	154	2	168	279	7	
8	W6ENZ	0	14	0	32	16	35	38	32	67	91	3	158	328	40	
9	N6VNI	1	23	0	10	8	43	14	56	17	96	1	147	269	25	
10	WB6PSY	0	0	0	0	0	0	0	0	0	140	0	140	140	37	
11	N6GP	1	18	0	42	1	49	6	71	16	123	4	135	333	25	
12	FR4NT	1	27	0	54	1	45	9	62	21	93	26	132	339	3	
13	W8DX	1	22	0	34	20	44	17	22	26	53	0	124	239	57	
14	W6QE	0	4	0	8	0	52	3	41	0	92	0	120	200	0	
15	AI6Z	2	4	0	7	14	11	9	8	12	98	0	119	165	21	
16	K6FG	2	8	0	22	15	23	18	12	54	43	5	106	202	58	
17	KR6C	1	1	0	1	4	38	10	39	13	52	0	105	159	36	
18	AK6ZZ	3	21	0	22	0	56	11	7	13	11	5	100	149	4	
19	NK6A	0	0	0	18	1	45	3	69	1	82	0	98	219	33	
20	ZL3TE	0	4	0	20	18	47	17	52	21	28	0	96	207	10	
21	KT6LA	0	14	0	18	0	32	0	78	0	64	0	92	206	8	
22	W6LEN	3	5	0	28	6	37	11	34	9	50	0	86	183	35	
23	K6DXA	0	0	0	0	0	0	0	0	0	78	0	78	78	1	
24	K6DSW	1	0	0	22	0	42	4	17	10	50	1	74	147	7	
25	W6SR	2	0	0	6	5	8	4	12	25	20	0	72	82	47	
26	N6PE	1	2	0	2	1	19	14	27	21	20	0	59	107	49	
27	K7MY	0	0	0	3	1	16	4	41	5	35	0	58	105	37	
28	KK6FJQ	0	0	0	0	0	0	0	0	0	56	0	56	56	1	
29	K7LA	0	0	0	0	0	0	4	44	7	8	0	50	63	14	
30	KM6HB	3	4	0	8	13	11	9	11	15	13	1	44	88	23	
31	ZM3T	0	0	0	0	0	35	0	0	0	15	0	39	50	4	

To Date Entity Matrix

Standings Column Description	
Rank:	Position in the standings
Call:	If you do not know your call look for the one that seems familiar to you.
Count:	Number of DXCC entities worked this year.
Short:	Number of entities missed that others worked
-QQ:	Difference in count between Call and N6QQ
Unique:	Entities only worked by that member
Entity Matrix	
Green:	Worked by SCDXC Member
Yellow:	Not Worked

1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LY	PJ5	SV9	TU	VK9C	VU	YV
1S	4U1ITU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	LZ	PJ7	T2	TY	VK9L	VU4	YV0
3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OA	PY	T30	TZ	VK9M	VU7	Z2
3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OD	PY0F	T31	UA	VK9N	XE	Z3
3B8	4X	8R	A7	CT	EA9	FO/A	GW	IS0	KH4	OE	PY0S	T32	UA0	VK9W	XF4	Z8
3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH	PY0T	T33	UA2	VK9X	XT	ZA
3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH5K	OH0	PZ	T5	UJ	VP2E	XU	ZB2
3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH6	OJ0	R1F	T7	UN	VP2M	XW	ZC4
3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH7K	OK	S0	T8	UR	VP2V	XX9	ZD7
3D2/C	5R	9K	BV9P	CY9	ER	FR/G	HB0	J7	KH8	OM	S2	TA	V2	VP5	XZ	ZD8
3D2/R	5T	9L	BY	D2	ES	FR/J	HC	J8	KH8S	ON	S5	TF	V3	VP6	YA	ZD9
3DA	5U	9M2	C2	D4	ET	FR/T	HC8	JA	KH9	OX	S7	TG	V4	VP6/D	YB	ZF
3V	5V7	9M6	C3	D6	EU	FS	HH	JD1/M	KL7	OY	S9	TI	V5	VP8	YI	ZK3
3W	5W	9N	C5	DL	EX	FT5W	HI	JD1/O	KP1	OZ	SM	TI9	V6	VP8/G	YJ	ZL
3XA	5X	9Q	C6	DU	EY	FT5X	HK	JT	KP2	P2	SP	TJ	V7	VP8/H	YK	ZL7
3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP4	P4	ST	TK	V8	VP8/O	YL	ZL8
3Y/P	6W	9V	CE	E4	F	FW	HK0/S	JX	KP5	P5	SU	TL	VE	VP8/S	YN	ZL9
4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LA	PA	SV	TN	VK	VP9	YO	ZP
4L	7O	9Y	CE0Y	E5/S	FH	G	HP	K	LU	PJ2	SV/A	TR	VK0H	VQ9	YS	ZS
4O	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS8

ClubLog Lifetime Standings

Here is the SCDXC DXCC Standings including deleted countries from ClubLog. Note that there are some who are not members and are not recognized for the award on the previous page. This could be rectified if someone took oversight of the list for SCDXC. Anyone Interested?

SCDXC DXCC STANDINGS 2014															
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Years
1	K6YUI	128	200	0	311	305	362	330	341	304	316	12	365	2609	54
2	W6SR	178	267	0	321	295	351	316	344	283	329	62	358	2746	47
3	K6FG	144	236	0	328	326	351	331	338	311	323	31	355	2719	58
4	N6RV	64	153	0	264	89	341	117	307	64	265	74	355	1738	46
5	W8DX	38	246	0	332	297	347	319	329	255	305	6	352	2474	57
6	N6QQ	55	116	0	266	216	342	268	303	207	259	7	351	2039	57
7	WB6PSY	1	26	0	20	0	217	0	159	0	345	0	349	768	37
8	W6IRD	1	10	0	29	1	331	57	81	28	101	1	348	640	45
9	W6VX	163	250	0	317	295	344	329	319	298	309	9	347	2633	35
10	KR6C	128	130	0	204	165	302	206	256	162	174	1	343	1728	36
11	N6HY	126	198	3	293	279	332	302	298	240	246	23	341	2340	47
12	W6ENZ	3	83	0	252	218	298	262	254	256	215	7	340	1848	40
13	KM6HB	7	132	1	188	105	290	177	276	176	237	13	335	1602	23
14	W6ZPL	3	106	0	165	10	297	158	248	112	195	0	332	1294	16
15	AI6Z	14	178	0	230	238	265	245	240	247	215	0	329	1872	21
16	N6PE	74	90	0	158	49	277	146	234	104	175	6	328	1313	49
17	N6MXU	24	34	0	126	44	255	106	191	51	168	3	318	1002	28
18	NS6C	11	116	0	214	171	290	228	221	200	170	6	317	1627	47
19	K0OK	8	132	0	193	149	214	201	206	184	190	7	315	1484	42
20	AC6DX	28	127	1	242	129	298	210	229	194	246	6	312	1710	7
21	W6DR	76	99	0	178	86	265	72	222	52	192	4	311	1246	34
22	N6WIN	25	121	0	210	139	263	195	231	132	196	1	310	1513	25
23	WB6BFG	21	77	0	143	173	286	257	263	216	182	10	306	1628	7
24	AK6ZZ	3	20	1	78	0	191	92	157	66	107	17	290	732	4
25	N6VNI	4	53	0	119	64	250	177	212	161	178	6	287	1224	25
26	N6GP	9	155	0	182	115	241	140	197	131	174	6	286	1350	25
27	N6DHZ	3	91	1	97	6	224	105	166	82	199	14	283	988	26
28	ZL3TE	20	53	0	195	134	235	116	204	91	164	0	276	1212	10
29	K6IRD	0	3	0	28	0	207	94	117	42	95	0	275	586	10
30	KT6LA	0	60	0	121	15	192	113	206	52	158	0	264	917	8
31	W6YOO	17	35	1	88	105	165	104	107	69	74	2	255	767	39
32	NK6A	0	5	0	17	11	153	8	134	2	50	0	253	380	33
33	K7MY	0	11	0	62	23	184	112	162	75	112	4	252	745	37
34	NQ6L	0	5	0	30	0	124	2	104	1	27	2	171	295	7
35	NT6X	9	12	0	126	7	125	6	101	3	36	1	169	426	5
36	KD6HYN	0	1	0	21	0	75	4	57	0	65	0	148	223	20
37	KE6BUH	0	0	0	3	0	35	19	28	16	81	0	148	182	2
38	YO9FMB	0	8	0	121	15	68	10	8	2	9	0	139	241	24
39	K7LA	1	5	1	13	0	69	31	92	26	36	0	135	274	14
40	K6NQY	0	1	0	6	0	61	31	56	25	35	2	127	217	5
41	K6DXA	0	0	0	0	0	0	0	0	0	115	1	115	116	1
42	ZM3T	0	0	0	2	0	90	0	60	0	56	0	110	208	4
43	KK6FJQ	0	0	0	0	0	0	0	0	0	94	0	94	94	1
44	K6DSW	1	0	0	35	0	51	6	38	7	59	2	91	199	7
45	N6RRY	0	5	0	22	1	43	3	24	8	18	1	70	125	25
46	FR4NT	0	7	0	41	11	42	18	16	13	39	18	67	205	3
47	W6MPB	1	3	0	6	4	27	5	26	3	19	1	54	95	12
48	PJ2/W6DR	3	0	0	0	0	5	0	0	0	17	0	19	25	0

DX ACCOMPLISHMENTS

Celebrate the Successes of Our Fellow Members!

This month we had Five updates to the standings. Two DX whales chimed in! Dennis, NS6C stepped up his WAZ game as well as Rick, W6SR. They are running out of room to improve. We need another revolution and some new entities! Arnie is plugging away!

Of particular note:

Linda, W6QE, our 2013 Clipperton Award winner. chimes in with 148 confirmed

Beckie, KK6FJQ, steps past the DXCC mark with 109 confirmed. She is the first Technician Class that John, N6QQ, has certified for DXCC. That is right... all contacts were made on SSB between 28.300 and 28.500 MHz!

Call	DXCC	WAZ
NS6C	360 / 340	198 / 198
W6SR	358 / 340	373 / 200
WB6PJC	151 / 151	
W6QE	148 / 148	
KK6FJQ	109 / 109	

SCDXC WAZ and DXCC Standings (N6RV)

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

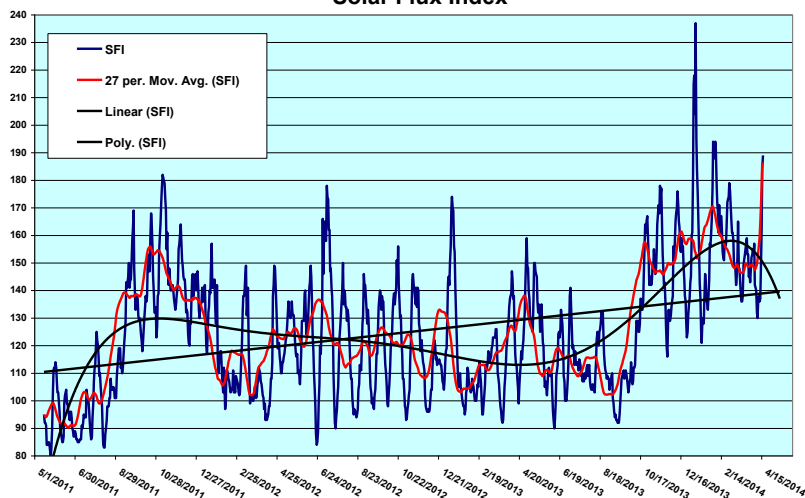
M	Mixed
P	Phone
C	CW
R	RTTY
S	5 Band

The first DXCC column is the confirmed entity count with deleted countries. The second column is the confirmed current entity count. Those in **tan** are at the top of the current honor roll.

If you have any information to post please go to the on-line webform and update your standing:
<http://www.scdxc.org/dx-update.html>

As predicted last month... we are in decline!!!! Hold on! We had a blip on the radar. Maybe it is not all doom and gloom!

Solar Flux Index



WAZ STANDINGS

	10B / 5B	Awards
K6ND	378 / 200	M/5
W6SR	373 / 200	M/P/C//5
K6FG	363 / 197	M/P/C/R/5
EU7A	360 / 200	M/5
WA5VGI	357 / 200	M/P/C/5
W8DX	357 / 200	M/5
N6AW	355 / 200	M/P/C/5
K6YUI	349 / 192	M/P/C/R/5
K6YRA	290 / 200	P/5
W6BCQ	277 / 200	M/P/5
WD6L	248 / 200	M/P/5
N6OU	220 / 200	M/5
K6UNR	/ 200	M/P/5
W6VX	352 / 199	
NS6C	198 / 198	
K6GXD	358 / 198	M
SM5GMZ	345 / 196	M/P/C
W6ENZ	315 / 195	
AI6Z	315 / 193	
N6MXU	155 / 193	
K2PLF	191 / 191	
N6RV	308 / 188	M/P/C
KC6X	294 / 187	M/P/C/5
N6QQ	325 / 186	M/P/C/R
K6LD	314 / 186	M/P/C
W6YOO	308 / 185	M/P/C/5
KH6DX/m	210 / 184	
K0OK	286 / 173	
K6SY	246 / 173	P
W6ZPL	237 / 173	M/P
KJ6Y	261 / 172	
KR6C	295 / 171	M/C
N6DHZ	234 / 161	P
AD6KQ	226 / 164	
K6KII	191 / 177	M
KH6MB	181 / 174	
SM5GMZ	265 / 166	M/5
W6DR	227 / 159	
NK6A	152 / 152	M/5
WA6BOB	152 / 136	M
W6IRD	151 / 111	M/P
W5DQ	161 / 122	
KT6LA	155 / 125	
K6IRD	154 / 126	M/P
WB6PSY	139 / 140	P
N6HE	130 / 138	
W3SE	102 / 112	
K6IRA	118 / 102	
K6VC	96 / 96	P
W6EA	92 / 86	
K7LA	111 / 84	
N6UC	78 / 78	M
KA6TTV	82 / 67	
N6VNI	86 / 64	
N6RRY	85 / 65	
N6GIL	49 / 43	
W6DCK	40 / 40	P
K6JW	40 / 40	M/P
K6YR	39 / 39	
W6DOE	36 / 36	
NZ6L	36 / 36	
W4EF	29 /	
N6AWD		M
N6HC		M/P/C
KB6KTV		P
W6OES		M
K8RD		C

DXCC STANDINGS

K6KII	387 / 340
JA1BK	377 / 338
K6YRA	376 / 340
K6EXO	370 / 338
N6UC	367 / 340
W6BCQ	365 / 340
K6YUI	365 / 340
K6IPV	362 / 340
NS6C	360 / 340
W6HT	358 / 338
W6SR	358 / 340
WA6WZO	357 / 340
K8RD	356 / 340
K5KT	355 / 340
N6AW	355 / 337
K6FG	355 / 340
K6GXD	355 / 340
N6RV	355 / 339
K2PLF	354 / 340
W8DX	353 / 340
W6IRD	352 / 336
W6OES	351 / 334
W6AUG	350 / 340
N6QQ	350 / 334
W6YOO	349 / 340
KC6X	349 / 340
W6KK	348 / 340
W6VX	348 / 340
WA5VGI	348 / 340
N6AWD	348 / 338
WB6PSY	348 / 337
K6ND	347 / 340
EU7A	347 / 339
W6QM	347 / 337
W6ENZ	347 / 338
AI6Z	347 / 335
N6HC	345 / 337
K6LD	344 / 338
KR6C	343 / 338
W6DCK	342 / 336
K6UNR	341 / 337
KB6KTV	340 / 335
N6MG	339 / 331
SM5GMZ	339 / 330
N6OU	338 / 330
N6HY	333 / 329
K2IXQ	333 / 329
AD6KQ	328 / 328
KM6HB	332 / 327
KJ6Y	327 / 323
W6FL	318 / 305
W6ZPL	317 / 317
K6SY	312 / 310
K0OK	310 / 308
K6JW	309 / 304
W6HB	303 / 295
N6MXU	301 / 297
N6GP	299 / 294
WD6L	295 / 295
NK6A	295 / 270
N6DHZ	292 / 288
K6IRA	286 / 286
W6DR	282 / 278
WA6WXD	275 / 272
K6DJ	274 / 272
K7MY	272 / 270
N7CQQ	268 / 266
K6VC	267 / 264
KT6LA	264 / 262
K6IRD	260 / 250
N6WIN	258 / 253
K6YR	244 / 244
W3SE	240 / 237
K6HCJ	235 / 235
W6DQ	225 / 220
N6VNI	223 / 223
KN6VF	223 / 223
ZL3TE	222 / 220
W6DOE	218 / 216
W6WVW	206 / 204
K6LX	204 / 204
WA6BOB	202 / 198
N6HE	192 / 185
N6RI	189 / 180
W6EA	152 / 152
WB6PJC	151 / 151
KA6TTV	149 / 149
K6DJ	149 / 149
W6QE	148 / 148
K6DDJ	146 / 146
K6OGO	142 / 142
K7LA	136 / 136
W4EF	132 / 132
WA6NOL	127 / 130
N6CA	131 / 131*
KK6FJQ	109 / 109
N6RRY	74 / 74
NZ6L	27 / 27

* Six Meters Only

Upcoming Important DXpeditions and more

With the excitement of the (shortened) VK9MT operation behind us, most of us are still waiting for the imminent start of the **Aves Island YW0A** DXpedition, number 34 on the most wanted list. **FT4TA, Tro-melin** will be activated by a group headed by F5UFX and is scheduled for October 30 to November 10, number 9 on the most wanted list.

<http://www.clublog.org/mostwanted.php>.

Blue Information indicate particularly rare entities and **Red information** indicate SCDXC member attended DXpedition. As always you have to turn on your radio to work them.

Useful DX Sites

The Daily DX
www.dailydx.com/

Announced DX Ops
www.ng3k.com/misc/adxo.html

DX Coffee
<http://www.dxcffee.com/eng/>

DXing.info
<http://www.dxing.info/dxpeditions/>

DX 425 News
www.425dxn.org/dxped/

Dx-info.de
www.dx-info.de

DX Italia DX News
www.marioi2mop.it

DH9SB Weekly DX Calendar
<http://www.dx-info.de>

N0HR DXpedition Map
www.n0hr.com/wk34/

The DX Zone
www.dxzone.com/catalog/DX_Resources/

Call	QTH	Start Date	End Date	Information	
7P8	Lesotho	Now	May 1	K5YY is 7P8YY, K9APW is 7P8RL, N5JR is 7P8JR, HB9OCW is 7P8MH, G8ABP is 7P8CP, ZS6RJ is 7P8RJ, K5LBU is 7P8CF	
9G5AC	Ghana	Now	December	W7JVN & Wife WB7NLY	
9L1A	Sierra Leone	Now	May 30	E73A, HF + 6 meters	QSL via 9A2AA
9N7AA	Nepal	Now	May 23	UA3AA	QSL via UA3AA, direct only
9N7NN	Nepal	Now	Sept	W7WNN	
HB0DRK	Liechtenstein	May 4	May 18	By DL4HTK, 80-10, all modes. Also DO5AD as HB0YRK	QSL Via DL5DRK
A22LL	Botswana	Now	April 30	ZS1LL	ZS1LL direct and bureau
SX5LA	Dodecanese	May 3	May 12	SV1JG, SV1RP, SV1RC, SV1GE, SV2FWV, SV1GRM, SV1PMR, SV8GKE, SV1ME, 160—6 Mtrs, SSB, CW, RTTY	QSL VIA SV2FWV
A3??	Tonga	Aug 16	Aug 24	AC8W, K8AQM, KG8CO, KN8R, N8LJ, all bands/modes	
D2SG	Angola	Now	Dec 31	MM0SSG	QSL via GM4FDM
TK1R	Corsica	Apr 30	May 15	IZ2ESV, IZ2LSC, I2RFJ, IW3HXR, IK3HAR, IV3BSY. Focus on WARC bands and digital	QSL via IK2DUW
YW0A	Aves Island	Late April	Early May	http://avesisland.info/index.php/en	QSL VIA EB7DX, OQRS
VQ9XR	Diego Garcia	TBA	TBA	N7XR will be making two 3 week trips, the second operation with N6MZ. Scheduling to be announced.	QSL via NN1N
XX	Macau	Oct 22	Nov 1	A group of EA ops	EB7DX
ZC4	UK Base	Now	August	AG6IP as ZC4MIS	AG6IP

May Birthdays!

All the best and may you enjoy many more sunspot cycles!

Dan Pike, AA6DP

Steven Papata, AC6DX

Don Bostrom, N6IC

Tom Lewis, KR6Q

Neil Kaltman, K6SMF

Ronald Rosson, N6ST

Dick Thompson, AI6Z

George Pugsley, W6ZZ

Ham Radio Programming

K6LCS GETS YOU ON THE AIR ASAP!

April, 2014

When Yaesu released the FT-60R **TEN YEARS** ago, it was seen as a great value in a handheld for new amateur radio licensees. So - while I was working for Ham Radio Outlet - Gordon West and I started "pre-programming" radios with local frequencies to get new hams on the air immediately with their new privileges.

Here we are in 2014 - ten years later - and that radio is **STILL** a great bargain. But there is still a need to "help" those new to the hobby get on the air quickly and painlessly ... especially with the release of several new handheld radios - many with instruction manuals NOT written for the U.S. market.

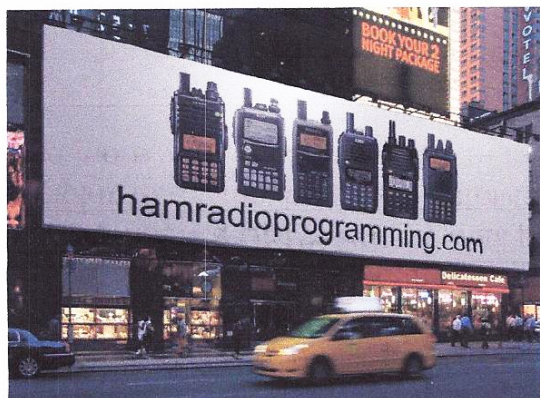
That is where **HamRadioProgramming.com** comes in. Using several online and private databases - as well as access to the FCC's ULS and ARRL club data - hams can send their radios to us and within three business days it will be returned via USPS Priority Mail programmed with scores of local repeaters, simplex freqs, maybe a ham satellite or two to work, local NOAA WX station - and more. A hard copy printout of their new programming is always included.

Please visit www.HamRadioProgramming.com and see how easy it is for hams to get their radios programmed! Enclosed are some cards that you can pass out. Web site visitors will find a **\$5 OFF** coupon they can thank **YOU** for!



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**Sponsoring Club: N6ME Western Amateur Radio Association,
Fullerton, Ca. "WARA"**

Test site location:

La Habra Community Center.

101 W. La Habra Blvd.

La Habra, Ca. 90631

Date and Times - Third Thursday of every month, @ 6 P.M. unless otherwise noted. Pre-Registration is requested and preferred. Walk-ins are welcome.

2014 TESTING SESSIONS

Thursday, March 20th 2014 6p.m.

Thursday, April 17th 2014 6p.m.

Thursday, May 15th 2014 6p.m.

Thursday, June 19th 2014 6p.m.

Thursday, July 17th 2014 6p.m.

Thursday, August 21st 2014 6p.m.

Thursday, September 18th 2014 6p.m.

Thursday, October 16th 2014 6p.m.

Thursday, November 20th 2014 6p.m.

On Exam Day Bring the Following Items

1. A legal photo ID (driver's license, passport) or Two forms of non-photo ID; e.g., birth certificate, social security card, library card, utility bill or other business correspondence with name of the examinee as it appears on the Form 605 and current mailing address.
 2. Your Social Security Number (SSN) or FCC-issued Federal Registration Number (FRN).
 3. If applicable, the original and a photocopy of your current Amateur Radio license and any Certificates of Successful Completion of Examination (CSCE) you may have from previous exam session. (Photocopies will not be returned.)
 4. Two number two pencils with erasers, and a pen.
 5. A calculator with memory erased and formulas cleared (no iPhones, iPads, etc.).
- Test Fee: \$15.00 (cash or check).

If you fail an element and wish to retake it, we are required to charge an additional test fee. If you pass an element, we typically offer and encourage you to take the next element. We do not charge an additional test fee for this and it gives you the opportunity to see what the next exam element is like!

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